

I. Solve each equation.

1) $\frac{k}{3} = -19$

 $\{-57\}$ **II. Solve each equation.**

2) $1 - 5x + 5x = 3$

No solution.

III. Solve each equation.

3) $1 + 6x = -7 + 7x$

 $\{8\}$ **IV. Solve each equation.**

4) $-36 - 6x = -6(4 + 2x)$

 $\{2\}$

5) $8(4n - 4) = 6 - 6n$

 $\{1\}$ **V. Solve each equation.**

6) $-4n + 4n = 0$

 $\{\text{All real numbers.}\}$ **VI. Solve each equation.**

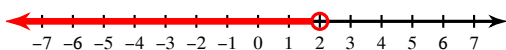
7) $\left|\frac{x}{7}\right| - 3 = -2$

 $\{7, -7\}$

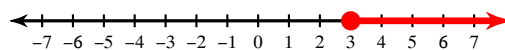
8) $|n + 1| + 8 = 19$

 $\{10, -12\}$ **VIII. Draw a graph for each inequality.**

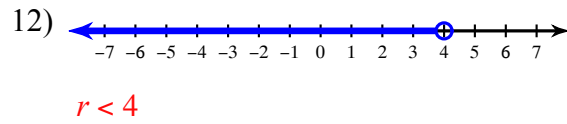
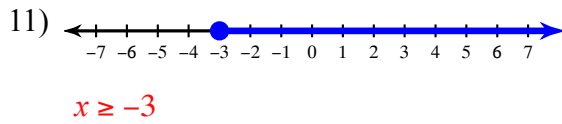
9) $a < 2$



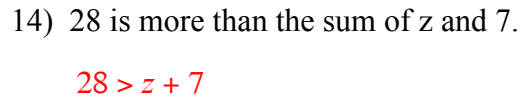
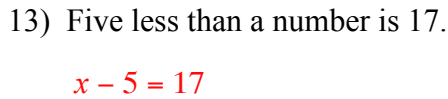
10) $x \geq 3$



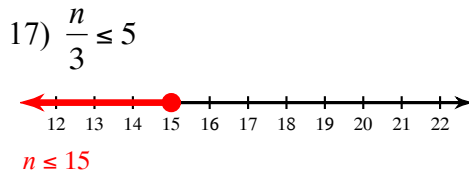
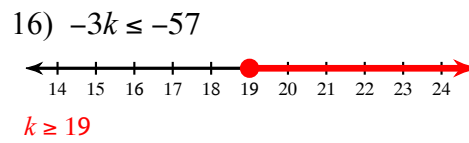
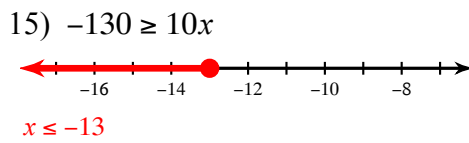
IX. Write an inequality for each graph.



X. Write an equation or inequality for each.



XI. Solve each inequality and graph its solution.



XII. Solve each inequality and graph its solution.

